

[54] **NON-CONTACT X,Y DIGITIZER USING TWO DYNAMIC RAM IMAGERS**

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[58] **Field of Search** 250/341, 221;
340/365 P, 556, 555; 343/5 PD

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[57] **ABSTRACT**

Apparatus is disclosed for detecting the position of an object within a viewing field, such as a CRT display screen. The apparatus includes point sources of radiation arranged at spaced locations around the edge of the viewing field and a retro-reflective surface disposed around the perimeter of the viewing field. The retro-reflective surface reflects radiation received from its originating source back toward this source. A radiation receiver is arranged adjacent to each source to receive the radiation reflected back from the retro-reflective surface and to determine the angular position of an object within the viewing field which interrupts the path of radiation.

21 Claims, 10 Drawing Figures

